



PCT10

## RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/018,786

TIME: 09:47:28

Input Set : A:\022701-966.ST25.txt

Output Set: N:\CRF3\08062002\J018786.raw

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3 <110> APPLICANT: Pierrard, Jerome
4     Simon, Jean-Luc
5     Chevallereau, Paule
7 <120> TITLE OF INVENTION: Avirulent Xanthomonas-Campestris Strains Producing Xanthan
9 <130> FILE REFERENCE: 022701-966
11 <140> CURRENT APPLICATION NUMBER: US 10/018,786
12 <141> CURRENT FILING DATE: 2001-12-21
14 <150> PRIOR APPLICATION NUMBER: PCT/FR00/01725
15 <151> PRIOR FILING DATE: 2000-06-21
17 <150> PRIOR APPLICATION NUMBER: FR 99/07963
18 <151> PRIOR FILING DATE: 1999-06-22
20 <160> NUMBER OF SEQ ID NOS: 7
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27 <213> ORGANISM: Artificial Sequence
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30 <223> OTHER INFORMATION: primer
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48 <212> TYPE: DNA
49 <213> ORGANISM: Xanthomonas campestris
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54 gcgatcctgt cggtaggcga tgcgatggtg tcgcagatcg cctcgtgct gatctcgggtg 180
55 gcggccggcg tcatgatcac ccgcgtcgcc aacgagaatg aaaccaagat cagctcgcctc 240
56 gggctcgaca tcggccgcca gtcaccagc aacgcacgtg ccttgatggc agcgagtgtg 300
57 ctgctggcct gctttgcgtt cgtgccggga tttccggcgc tgcgttccct gctgctggca 360
58 gcggcggtcg gtgccggggg ctatacgatc tggcgcaagc aacgcgacac cagcgggagc 420
59 gatcagcccg cactgccatc aaccagccgc aaaggtgcc aaggcgatgc gccgcacatc 480
60 cgcaagagcg ccccgattt cgctcgccc ttgtcgatgc ggctttcgcc gcaactggct 540

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61 gcacggctcg acccggcgct gctggatcag gcgatcgaaa gcgagcggag gcaattggtc 600
62 gagctgctgg gattgccgtt cccggggatc gcgatatggc agagcgaatc cctgcagggc 660
63 ctgcagtacg aagtgttgat ccacgatgtg ccggaacccc gcagcgcgtt gagcgatacg 720
64 gcggacatgc agaaagcgtt ggcccaacaa gccatcgcac cgttgcatgc acgcgcgcac 780
65 ctgttcgtcg gcatccagga gacgcagtgg atgctggaac aggtggggcg ggactatccc 840
66 gggctggttg cagaggtcaa caaggccatg ccagcccaac gcatcgccga tgtgttgccg 900
67 cgactgctgg aagaacgcat cccggtgcgc aacatcaaga gcatcctgga gagcctggtg 960
68 gtgtggggag cgaaggaaaa ggatctgctg atgctgaccg agtatgtgcg ctgcgatctc 1020
69 ggccgctatc ttgcgcacac cgcgaccgca ggcaccggac agctgcctgc ggtgatgctc 1080
70 gaccacgccg tggaaacagtt gatccggcag tcgattcgcg ccacaccggc cggcaatttc 1140
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76 <213> ORGANISM: Artificial Sequence
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96 <211> LENGTH: 1818
97 <212> TYPE: DNA
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103 tcgcgcagct tcaaatacgt tgccgaccgc aaggatctca aggaggtgct gcgcgacctg 180
104 tccgccagcc aatccatcac cacctggatt tcaccggagg tgaccggcac gctcagtggc 240
105 aaattcgaag ccaactccga gaagtttctc gacgatctat cgggcacgtt cggttttgtc 300
106 tggatttacg atggctcggg gctcagaatc tggggcgcg aacgagacca gaatgcgacc 360
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108 gacgatccgc gctttccggt ccgttatgac gagacagcgc acctggcggt ggtgtcgggc 480
109 ccgcccgggt atgtggatac cgtcgcggcg atcgccaagc aggtcgagca ggtcgcgcgc 540
110 caacgcgacg ccaccgaagt gcaggtgttt cagctgcatt atgcgcaggc ggccgaccac 600
111 accacccgca tcggtggtca agacatccag gtgccgggca tggccagcct gttgcgcaac 660
112 atatacggcg tgcgtggcgc gccactgcg gcgctgcccg ggccaggcgc gaatttcggg 720
113 cgtgtgcaac cgatcggcgg tggctcgtcc aataccttcg gcaacagcgg tcagcgccag 780
114 agtggcggca gcggcattct cggtttgctt gcgtcgtggt tcggcgctgg gtcgccgtcc 840
115 gagcggggtg cggtcagtcc gccgttgccg ggcagtggca atagcgccaa tgcgccggcc 900
116 agcgtgtggc cggagatgag ccaggccaga cgcgatgcgc cgctggcggt ggacgccggc 960
117 agcggcggtg agctggcatc cgacgcgcgc gtgatcgaag ccgacccgcg caccaacggc 1020

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118 atttctcattc ggcaccgccc cgagcgggatg gccgcctatg gcacgttgat ccagcagctc 1080
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120 ctgcaggatc tcggcgtgga ctggcgggttc cacagccggc gtgtggatgt gcagaccggc 1200
121 gacgggctg gtggccagct tggctacgat ggcagcttga gcggtgcagc agccgcccgt 1260
122 gcagccgccc cgttgggccc gagcttgacc gctgtcctgg gcgatgcagg gcgttacctg 1320
123 atgacgcgcg tctcggcgct cgagcagacc aacaaggcca agatcgtctc caccgcccag 1380
124 gtggcgacgc tggacaacgt ggaagcgggtg atggaccaca agcaacaggc attcgtgcgt 1440
125 gtcagcgggt atgcatccgc cgacctctac aacctgtccg cgggtgtatc gctacgcgta 1500
126 ttgccaagtg tggcgccggg gtcgccaaat ggtcagatgc gcctggatgt gcgtatcgaa 1560
127 gacgggcagt tggcgcccaa taccgtcgat ggcattcccg tcatcacctc cagcgagatc 1620
128 accacgcagg ccttcgtcaa cgagggccag agcctgtgta tcgccggtta tgcttccgac 1680
129 accgatcaga cagatctgaa caacgtcccc gggctgtcca ggattccatt ggtcggcaac 1740
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141 tgcgcgcagg cgttgccgga cgcgcagacg cgtgcgcagg cgtgctcga cgtgcccga 180
142 cggcaggccg aggcctcct tcaggatgcc cacgacagg ccgagcgcag tgcagcctg 240
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147 gcgctggacg atgcacggcg cgccttcgat gcggccgcag cggccggcgg atggagcatg 540
148 ccggtggaac tgtgcggtga tacgactctg gccttgggtg cctgcgtgtg cgaatgggat 600
149 accggcgtgt tcgagaccga tctgcgtgat cagctgcgca gtctccggcg cgtcattcgc 660
150 cgcgtgttgg ccacgcgcga ggcgggtgcc gatgcttgct ga                                     702

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